```
1.) Mo ex2 x2 dA
                                                                                                                                                                                                                                                                                                                                 X= \( 49-y2
                                                                                                                                                                                                                                                                                                                                   驺
                                                                                                                                                                                                                                                                                                \( \frac{1}{2} \int_{0}^{7} \) \( \text{e}^{-2} \) \( \text{r of do} \) \( \text{du} = 2\tau \) \( \te
                                                                                                                                                                                                                                                                 \( \frac{1}{2} \\ \fr
                                                                                                                                                                                                                                                                                                                                                           1/2 (1-e-49) (1/2) - (1/2 (1-e-49)(-1/2)
                                                                                                                                                                                                                                                                                                                                                                  \frac{1}{2}(|-c^{-49})(\frac{h}{2}) + \frac{1}{2}(|-c^{-49})(\frac{h}{2})
                                                                                                                                                                                                                                                                                                                                                                            12(1-e-49)(芝+些)
                                                                                                                                                                                                                                                                                                                                                                                                               1/2 (1-e-49) (P)
                                                                                                                                                                                                                                                                                                                                                                                                                                           子(1-e-49)
                                                                                                                                                                                                                                                                                                                                                                                                                      2000 4 5 4 2
                                                                                                                                                                                                                                                                                                                                                                                                               \int_{0}^{\frac{\pi}{2}} \int_{2\cos\theta}^{2} (r\cos\theta) \cdot drd\theta
\int_{0}^{\frac{\pi}{2}} \int_{2}^{2} r^{2} \cos\theta \cdot drd\theta
\int_{0}^{\frac{\pi}{2}} \left[ \frac{1}{3} r^{3} \cos\theta \right]_{2\cos\theta}^{2} d\theta
\int_{0}^{\frac{\pi}{2}} \left[ \frac{3}{3} \cos\theta - \frac{8\cos^{3}\theta}{3} \cos\theta \right] d\theta
\int_{0}^{\frac{\pi}{2}} \frac{3}{3} \left[ \cos\theta - \cos^{4}\theta \cdot d\theta \right] d\theta
\frac{3}{3} \int_{0}^{\frac{\pi}{2}} (\cos\theta - \cos^{4}\theta \cdot d\theta) = \frac{-(3\pi^{2} - 16)}{6}
                  3.) r= 4 cos300 one 1007
                              Mordodo - 76 60 € 75
                                                                                                                             7= \x2+y2
                                                                                                                                                                                                                                                                                         x2+ y2 £64
0 £ r £ 8
0 £ 0 £ 287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Z=f(x,y)=\sqrt{x^2+y^2}=\sqrt{r^2}=\Gamma
  4.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    X= 80000
7= 85in 0
```

1024 17

5)
$$Z = 60 - 2x^2 - 3y^2$$
 $Z = 60 - 2x^2 - 3y^2$
 $Z = 60 - 2x^2 + y^2$
 $Z = 7x^2 + y^2$
 $Z = 7x^2$

 $\frac{1}{2}(1-\cos 6)\partial$

1-(05/6)